



**United States Environmental Protection Agency  
Region 9 Laboratory**

**1337 S. 46th Street Building 201  
Richmond, CA 94804**

**Date:** 2/14/2012

**Subject:** Analytical Testing Results - Project R33911  
SDG: 12037A

**From:** Brenda Bettencourt, Director  
EPA Region 9 Laboratory  
MTS-2

**To:** Richard Fetzer  
US EPA Region 3, Eastern Response Branch  
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

**Analyses included in this report:**

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Purgeable Petroleum Hydrocarbons by GC/FID



United States Environmental Protection Agency  
**Region 9 Laboratory**

1337 S. 46th Street, Building 201, Richmond, CA 94804  
Phone:(510) 412-2300 Fax:(510) 412-2302

**Project Manager:** Richard Fetzner

**Project Number:** R33911

**Project:** Dimock Residential Groundwater

**US EPA Region 3, Eastern Response Branch**

**100 Gypsum Road**

**Stroudsburg PA, 18360**

**SDG:** 12037A

**Reported:** 02/14/12 16:09

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW40	1202013-01	Water	02/02/12 15:39	02/04/12 15:35
HW40-P	1202013-02	Water	02/02/12 15:44	02/04/12 15:35
HW41	1202013-03	Water	02/02/12 16:12	02/04/12 15:35
HW41-P	1202013-04	Water	02/02/12 15:54	02/04/12 15:35
TB18	1202013-05	Water	02/02/12 08:05	02/04/12 15:35
HW28a	1202013-06	Water	02/03/12 11:49	02/04/12 15:35
HW28a-P	1202013-07	Water	02/03/12 11:52	02/04/12 15:35
HW39	1202013-08	Water	02/03/12 10:42	02/04/12 15:35
HW39-P	1202013-09	Water	02/03/12 11:13	02/04/12 15:35
TB19	1202013-10	Water	02/03/12 07:20	02/04/12 15:35
TB17	1202013-11	Water	02/02/12 08:00	02/04/12 15:35
TB20	1202013-12	Water	02/03/12 07:25	02/04/12 15:35
FB10	1202014-01	Water	02/03/12 14:09	02/06/12 09:15
HW09	1202014-02	Water	02/03/12 15:20	02/06/12 09:15
HW09-P	1202014-03	Water	02/03/12 15:16	02/06/12 09:15
HW28b-P	1202014-04	Water	02/03/12 14:27	02/06/12 09:15
TB22	1202014-05	Water	02/03/12 11:17	02/06/12 09:15
TB21	1202014-06	Water	02/03/12 07:56	02/06/12 09:15

**SDG ID 12037A**

**Work Order(s)**

**1202013**

**1202014**



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**Project:** Dimock Residential Groundwater

**US EPA Region 3, Eastern Response Branch**  
**100 Gypsum Road**  
**Stroudsburg PA, 18360**

**SDG:** 12037A  
**Reported:** 02/14/12 16:09

### Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID: 1202013-01</b>						<b>Water - Sampled: 02/02/12 15:39</b>			
<b>Sample ID: HW40</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			112 %	76-121%		"	"	"	
<b>Lab ID: 1202013-02</b>						<b>Water - Sampled: 02/02/12 15:44</b>			
<b>Sample ID: HW40-P</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			112 %	76-121%		"	"	"	
<b>Lab ID: 1202013-03</b>						<b>Water - Sampled: 02/02/12 16:12</b>			
<b>Sample ID: HW41</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			110 %	76-121%		"	"	"	
<b>Lab ID: 1202013-04</b>						<b>Water - Sampled: 02/02/12 15:54</b>			
<b>Sample ID: HW41-P</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			110 %	76-121%		"	"	"	
<b>Lab ID: 1202013-05</b>						<b>Water - Sampled: 02/02/12 08:05</b>			
<b>Sample ID: TB18</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			111 %	76-121%		"	"	"	
<b>Lab ID: 1202013-06</b>						<b>Water - Sampled: 02/03/12 11:49</b>			
<b>Sample ID: HW28a</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			116 %	76-121%		"	"	"	
<b>Lab ID: 1202013-07</b>						<b>Water - Sampled: 02/03/12 11:52</b>			
<b>Sample ID: HW28a-P</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			112 %	76-121%		"	"	"	
<b>Lab ID: 1202013-08</b>						<b>Water - Sampled: 02/03/12 10:42</b>			
<b>Sample ID: HW39</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			108 %	76-121%		"	"	"	
<b>Lab ID: 1202013-09</b>						<b>Water - Sampled: 02/03/12 11:13</b>			
<b>Sample ID: HW39-P</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380



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**Project Manager:** Richard Fetzer  
**Project Number:** R33911  
**Project:** Dimock Residential Groundwater

**US EPA Region 3, Eastern Response Branch**  
**100 Gypsum Road**  
**Stroudsburg PA, 18360**

**SDG:** 12037A  
**Reported:** 02/14/12 16:09

## Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID:</b> 1202013-09									<b>Water - Sampled: 02/03/12 11:13</b>
<b>Sample ID:</b> HW39-P									<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>
Surrogate: a,a,a-Trifluorotoluene		112 %		76-121%		B2B0018	02/06/12	02/06/12	
<b>Lab ID:</b> 1202013-10									<b>Water - Sampled: 02/03/12 07:20</b>
<b>Sample ID:</b> TB19									<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		112 %		76-121%		"	"	"	
<b>Lab ID:</b> 1202013-11									<b>Water - Sampled: 02/02/12 08:00</b>
<b>Sample ID:</b> TB17									<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		107 %		76-121%		"	"	"	
<b>Lab ID:</b> 1202013-12									<b>Water - Sampled: 02/03/12 07:25</b>
<b>Sample ID:</b> TB20									<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		112 %		76-121%		"	"	"	
<b>Lab ID:</b> 1202014-01									<b>Water - Sampled: 02/03/12 14:09</b>
<b>Sample ID:</b> FB10									<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		111 %		76-121%		"	"	"	
<b>Lab ID:</b> 1202014-02									<b>Water - Sampled: 02/03/12 15:20</b>
<b>Sample ID:</b> HW09									<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		111 %		76-121%		"	"	"	
<b>Lab ID:</b> 1202014-03									<b>Water - Sampled: 02/03/12 15:16</b>
<b>Sample ID:</b> HW09-P									<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		107 %		76-121%		"	"	"	
<b>Lab ID:</b> 1202014-04									<b>Water - Sampled: 02/03/12 14:27</b>
<b>Sample ID:</b> HW28b-P									<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		111 %		76-121%		"	"	"	
<b>Lab ID:</b> 1202014-05									<b>Water - Sampled: 02/03/12 11:17</b>
<b>Sample ID:</b> TB22									<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		108 %		76-121%		"	"	"	
<b>Lab ID:</b> 1202014-06									<b>Water - Sampled: 02/03/12 07:56</b>

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<b>Project Number:</b> R33911	<b>100 Gypsum Road</b>	<b>Reported:</b> 02/14/12 16:09
<b>Project:</b> Dimock Residential Groundwater	<b>Stroudsburg PA, 18360</b>	

### Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID: 1202014-06</b>						<b>Water - Sampled: 02/03/12 07:56</b>			
<b>Sample ID: TB21</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0018	02/06/12	02/06/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		110 %		76-121%		"	"	"	

### Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B2B0018 - 5030 P&amp;T TPH-G - TPH - Purgeable</b>						<b>Prepared &amp; Analyzed: 02/06/12</b>				
<b>Blank (B2B0018-BLK1)</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control</b>				
TPH as Gasoline	ND	U	50	ug/L						
<i>Surrogate: a,a,a-Trifluorotoluene</i>		138		"	125		111	76-121		
<b>LCS (B2B0018-BS1)</b>										
TPH as Gasoline	525		50	ug/L	500		105	75-114		200
<i>Surrogate: a,a,a-Trifluorotoluene</i>		143		"	125		114	76-121		
<b>Matrix Spike (B2B0018-MS1)</b>						<b>Source: 1202013-08</b>				
TPH as Gasoline	568		50	ug/L	500	ND	114	71-114		11
<i>Surrogate: a,a,a-Trifluorotoluene</i>		141		"	125		112	76-121		
<b>Matrix Spike Dup (B2B0018-MSD1)</b>						<b>Source: 1202013-08</b>				
TPH as Gasoline	545		50	ug/L	500	ND	109	71-114	4	11
<i>Surrogate: a,a,a-Trifluorotoluene</i>		142		"	125		113	76-121		



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**Qualifiers and Comments**

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.